

GenCore version 4.5
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On nucleic - nucleic search, using sw model

Run on: December 3, 2000, 19:26:40 ; Search time 727.75 Seconds

(without alignments)
3184.422 Million cell updates/sec

Title: US-09-227-881-3

Perfect score: 6169

Sequence: 1 atcttttttcagtttaccc.cttgtgcccctccatgtcag 6169

Scoring table: IDENTITY_NUC

Gapext 1.0

Searched: 480022 seqs, 187831343 residues

Total number of hits satisfying chosen parameters: 960044

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

listing first 45 summaries

Database : N_Geneseq_36:*

1: /cgn2_2/gcgdata/geneseq/geneseq/NA1980.DAT:*

2: /cgn2_2/gcgdata/geneseq/geneseq/NA1981.DAT:*

3: /cgn2_2/gcgdata/geneseq/geneseq/NA1982.DAT:*

4: /cgn2_2/gcgdata/geneseq/geneseq/NA1983.DAT:*

5: /cgn2_2/gcgdata/geneseq/geneseq/NA1984.DAT:*

6: /cgn2_2/gcgdata/geneseq/geneseq/NA1985.DAT:*

7: /cgn2_2/gcgdata/geneseq/geneseq/NA1986.DAT:*

8: /cgn2_2/gcgdata/geneseq/geneseq/NA1987.DAT:*

9: /cgn2_2/gcgdata/geneseq/geneseq/NA1988.DAT:*

10: /cgn2_2/gcgdata/geneseq/geneseq/NA1989.DAT:*

11: /cgn2_2/gcgdata/geneseq/geneseq/NA1990.DAT:*

12: /cgn2_2/gcgdata/geneseq/geneseq/NA1991.DAT:*

13: /cgn2_2/gcgdata/geneseq/geneseq/NA1992.DAT:*

14: /cgn2_2/gcgdata/geneseq/geneseq/NA1993.DAT:*

15: /cgn2_2/gcgdata/geneseq/geneseq/NA1994.DAT:*

16: /cgn2_2/gcgdata/geneseq/geneseq/NA1995.DAT:*

17: /cgn2_2/gcgdata/geneseq/geneseq/NA1996.DAT:*

18: /cgn2_2/gcgdata/geneseq/geneseq/NA1997.DAT:*

19: /cgn2_2/gcgdata/geneseq/geneseq/NA1998.DAT:*

20: /cgn2_2/gcgdata/geneseq/geneseq/NA1999.DAT:*

21: /cgn2_2/gcgdata/geneseq/geneseq/NA2000.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description	RESULT	1
1	6169	100.0	6169	19	V51368	standard; DNA; 6169 BP.
2	5274.4	85.5	5299	19	V51361	
3	5273.8	85.5	5300	19	V51362	
4	5273.8	85.5	5300	19	V51363	
5	5273.8	85.5	5300	19	V51365	
6	5273.8	85.5	5300	19	V51366	
7	5273.8	85.5	5300	19	V51367	
8	5261.4	85.3	5304	19	V51364	
9	2677.4	43.4	2800	21	V23484	
10	975.2	15.8	3493	19	V37618	
11	640.4	10.4	1548	19	V51391	
12	640.4	10.4	1890	20	X57606	

ALIGNMENTS	
FH	Key
FT	exon
FT	5301..5940
FT	/*tag= a
FT	/*tag= 1
FT	5337..6169
FT	/*tag= b
FT	/product= "TIGR"
FT	/note= "partial coding sequence"
FT	5041..6169
FT	/*tag= c
FT	/number= 1
FT	/note= "partial intron sequence"
FT	W09832850-A1.
PR	26-SEP-1997; 97US-0938669.

Db	1441	gtttccaccaatttagcccgctggctgtgaactccctcagctcaggat-gatccacccaccc	1500	Oy
Oy	1501	agctccctaagtgtcggttacaggcatgtgcacccgcggccaaaggctgt	1560	Db
Db	1501	agcctccataagtgtcggttacaggcatgtgcacccgcggccaaaggctgt	1560	Oy
Oy	1561	ttaataaaggtaactgtggattacaccacaggaaacggacaaaggctgt	1620	Db
Db	1561	ttaataaaggtaactgtggattacaccacaggaaacggacaaaggctgt	1620	Oy
Oy	1621	taatttcaggattctgggtgggaaatggctgcccatacgactgcctgc	1680	Db
Db	1621	taatttcaggattctgggtgggaaatggctgcccatacgactgcctgc	1680	Oy
Oy	1741	caccatgttttggtaaaggccatccatccatcgaaataaggatccataact	1800	Db
Db	1741	caccatgttttggtaaaggccatccatccatcgaaataaggatccataact	1800	Oy
Oy	1801	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	1860	Db
Db	1801	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	1860	Oy
Oy	1860	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	1860	Db
Db	1860	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	1860	Oy
Oy	1861	tgaagccccccggcaggggttccctccatccatcgaaataaggatccat	1860	Db
Db	1861	tgaagccccccggcaggggttccctccatccatcgaaataaggatccat	1860	Oy
Oy	1920	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	1920	Db
Db	1920	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	1920	Oy
Oy	1980	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	1980	Db
Db	1980	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	1980	Oy
Oy	1981	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	1980	Db
Db	1981	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	1980	Oy
Oy	2040	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2040	Db
Db	2040	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2040	Oy
Oy	2041	tatttgcgttattatctgtccagacccatcgaaatggggatgt	2100	Db
Db	2041	tatttgcgttattatctgtccagacccatcgaaatggggatgt	2100	Oy
Oy	2160	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2160	Db
Db	2160	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2160	Oy
Oy	2161	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2200	Db
Db	2161	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2200	Oy
Oy	2220	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2280	Db
Db	2220	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2280	Oy
Oy	2280	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2280	Db
Db	2280	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2280	Oy
Oy	2340	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2340	Db
Db	2340	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2340	Oy
Oy	2340	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2400	Db
Db	2340	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2400	Oy
Oy	2400	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2400	Db
Db	2400	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2400	Oy
Oy	2460	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2460	Db
Db	2460	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2460	Oy
Oy	2520	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2520	Db
Db	2520	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2520	Oy
Oy	2580	ttccatgtggccatctgtgtggataggggggatggcatccaggatgt	2580	Db

Query Match Best Local Similarity Score DB Length
 10.4%; 99.8%; 640.4; 20; 18900;
 Matches: 641. Concatenation: 0. Mismatches: 1. Trailing 0.;

8Y 5301 aqaqttccaaqaaqqcctcaaccqaatqaggttcttcttqacqgtq 5360

PR 25-JUN-1997; 97US-0882238.
XX PA
XX PA (RBGC) UNIV CALIFORNIA.
XX PI Huang W, Nguyen TD, Polansky JR;
XX DR WPI; 1999-095006/08.
XX DR P-PSDB; W89391.
XX
PT New isolated glaucoma-associated nucleic acids - which encode
PT Trabecular Meshwork Induced Glucocorticoid Response protein, used to
PT develop products for diagnosing glaucoma-related diseases
XX
PS Claim 1; Fig 1; 22pp; English.
XX
CC The present sequence encodes a human secretory protein from clone 11.2.
CC The secretory protein is designated TIGR (Trabecular Meshwork Induced
CC Glucocorticoid Response) protein. The protein is highly induced by
CC glucocorticoids in the endothelial lining cells of the human trabecular
CC meshwork. The TIGR polynucleotides and proteins can be used as markers
CC for the diagnosis of glaucoma, primary open angle glaucoma (POAG),
CC pigmentary glaucoma, and low tension glaucoma and their related
CC diseases. They can also be used to diagnose or protect an individual's
CC sensitivity to elevated intraocular pressure upon administration of
CC steroids such as glucocorticoids or corticosteroids. These products can
CC also be used for diagnosing other diseases or conditions that affect the
CC expression or activity of the protein. The products can also be
CC formulated for administration to patients.
XX
SQ Sequence 1999 BP; 537 A; 508 C; 534 G; 420 T; 0 other;

RESULT	14	
V08904		
ID	V08904	standard; cDNA; 1999 BP.
XX		
AC	V08904;	
XX		
DT	26-FEB-1999	(first entry)
XX		
DE	TIGR protein coding sequence.	
XX		
KW	trabecular meshwork induced glucocorticoid response;	
KW	secretory protein; antibody; glaucoma; diagnosis; ss.	
OS	Homo sapiens.	
XX		
PN	US5849879-A.	
XX		
PD	15-DEC-1998.	
XX		
PF	14-MAY-1996;	96US-0645900.
XX		
PR	14-MAY-1996;	96US-0645900.

RESULT	14	
V08904		
ID	V08904	standard; cDNA; 1999 BP.
XX		
AC	V08904;	
XX		
DT	26-FEB-1999	(first entry)
XX		
DE	TIGR protein coding sequence.	
XX		
KW	trabecular meshwork induced glucocorticoid response;	
KW	secretory protein; antibody; glaucoma; diagnosis; ss.	
OS	Homo sapiens.	
XX		
PN	US5849879-A.	
XX		
PD	15-DEC-1998.	
XX		
PF	14-MAY-1996;	96US-0645900.
XX		
PR	14-MAY-1996;	96US-0645900.

Db	541	agtttggaaaggcagcggggatgtcaaggctgagaaggccagtgtcccaagacc	600
Qy	5901	cggagactcttcgggtgtccaccaagggttcataagaagg	5942
Db	601	cggagactcttcgggtgtccaccaagggttcaccaagggttcaccaagggt	642

Search completed: December 3, 2000, 19:31:01
Job time: 43521 sec

